

0590
1108

#2

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/976,054

DATE: 11/01/2001

TIME: 08:02:49

Input Set : A:\cytoseq2.txt

Output Set: N:\CRF3\11012001\I976054.raw

2 <110> APPLICANT: Cheikh, Nordine
3 Liu, Jingdong
5 <120> TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
the
6 Cytokinin Pathway
8 <130> FILE REFERENCE: 16517.256/38-21(15094)C
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/976,054
C--> 10 <141> CURRENT FILING DATE: 2001-10-15
10 <150> PRIOR APPLICATION NUMBER: US 60/067,000
11 <151> PRIOR FILING DATE: 1997-11-24
13 <150> PRIOR APPLICATION NUMBER: US 60/069,472
14 <151> PRIOR FILING DATE: 1997-12-09
16 <150> PRIOR APPLICATION NUMBER: US 60/071,064
17 <151> PRIOR FILING DATE: 1998-01-09
19 <150> PRIOR APPLICATION NUMBER: US 60/074,201
20 <151> PRIOR FILING DATE: 1998-02-10
22 <150> PRIOR APPLICATION NUMBER: US 60/074,281
23 <151> PRIOR FILING DATE: 1998-02-10
25 <150> PRIOR APPLICATION NUMBER: US 60/074,567
26 <151> PRIOR FILING DATE: 1998-02-12
28 <150> PRIOR APPLICATION NUMBER: US 60/074,565
29 <151> PRIOR FILING DATE: 1998-02-12
31 <150> PRIOR APPLICATION NUMBER: US 60/075,462
32 <151> PRIOR FILING DATE: 1998-02-19
34 <150> PRIOR APPLICATION NUMBER: US 60/075,461
35 <151> PRIOR FILING DATE: 1998-02-19
37 <150> PRIOR APPLICATION NUMBER: US 60/075,464
38 <151> PRIOR FILING DATE: 1998-02-19
40 <150> PRIOR APPLICATION NUMBER: US 60/075,460
41 <151> PRIOR FILING DATE: 1998-02-19
43 <150> PRIOR APPLICATION NUMBER: US 60/075,463
44 <151> PRIOR FILING DATE: 1998-02-19
46 <150> PRIOR APPLICATION NUMBER: US 60/077,231
47 <151> PRIOR FILING DATE: 1998-03-09
49 <150> PRIOR APPLICATION NUMBER: US 60/077,229
50 <151> PRIOR FILING DATE: 1998-03-09
52 <150> PRIOR APPLICATION NUMBER: US 60/077,230
53 <151> PRIOR FILING DATE: 1998-03-09
55 <150> PRIOR APPLICATION NUMBER: US 60/078,368
56 <151> PRIOR FILING DATE: 1998-03-18
58 <150> PRIOR APPLICATION NUMBER: US 60/080,844
59 <151> PRIOR FILING DATE: 1998-04-07
61 <150> PRIOR APPLICATION NUMBER: US 60/083,067
62 <151> PRIOR FILING DATE: 1998-04-27
64 <150> PRIOR APPLICATION NUMBER: US 60/083,387
65 <151> PRIOR FILING DATE: 1998-04-29
67 <150> PRIOR APPLICATION NUMBER: US 60/083,388
68 <151> PRIOR FILING DATE: 1998-04-29

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p.5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/976,054

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Input Set : A:\cytoseq2.txt
Output Set: N:\CRF3\11012001\I976054.raw

70 <150> PRIOR APPLICATION NUMBER: US 60/085,224
71 <151> PRIOR FILING DATE: 1998-05-13
73 <150> PRIOR APPLICATION NUMBER: US 60/085,223
74 <151> PRIOR FILING DATE: 1998-05-13
76 <150> PRIOR APPLICATION NUMBER: US 60/085,222
77 <151> PRIOR FILING DATE: 1998-05-13
79 <150> PRIOR APPLICATION NUMBER: US 60/086,186
80 <151> PRIOR FILING DATE: 1998-05-21
82 <150> PRIOR APPLICATION NUMBER: US 60/086,187
83 <151> PRIOR FILING DATE: 1998-05-21
85 <150> PRIOR APPLICATION NUMBER: US 60/086,185
86 <151> PRIOR FILING DATE: 1998-05-21
88 <150> PRIOR APPLICATION NUMBER: US 60/086,184
89 <151> PRIOR FILING DATE: 1998-05-21
91 <150> PRIOR APPLICATION NUMBER: US 60/086,188
92 <151> PRIOR FILING DATE: 1998-05-21
94 <150> PRIOR APPLICATION NUMBER: US 60/089,524
95 <151> PRIOR FILING DATE: 1998-06-16
97 <150> PRIOR APPLICATION NUMBER: US 60/089,810
98 <151> PRIOR FILING DATE: 1998-06-18
100 <150> PRIOR APPLICATION NUMBER: US 60/089,814
101 <151> PRIOR FILING DATE: 1998-06-18
103 <150> PRIOR APPLICATION NUMBER: US 60/090,170
104 <151> PRIOR FILING DATE: 1998-06-22
106 <150> PRIOR APPLICATION NUMBER: US 60/092,036
107 <151> PRIOR FILING DATE: 1998-07-08
109 <150> PRIOR APPLICATION NUMBER: US 60/099,670
110 <151> PRIOR FILING DATE: 1998-09-09
112 <150> PRIOR APPLICATION NUMBER: US 60/099,697
113 <151> PRIOR FILING DATE: 1998-09-09
115 <150> PRIOR APPLICATION NUMBER: US 60/100,674
116 <151> PRIOR FILING DATE: 1998-09-16
118 <150> PRIOR APPLICATION NUMBER: US 60/101,132
119 <151> PRIOR FILING DATE: 1998-09-21
121 <150> PRIOR APPLICATION NUMBER: US 60/101,130
122 <151> PRIOR FILING DATE: 1998-09-21
124 <150> PRIOR APPLICATION NUMBER: US 60/101,508
125 <151> PRIOR FILING DATE: 1998-09-22
127 <150> PRIOR APPLICATION NUMBER: US 60/101,344
128 <151> PRIOR FILING DATE: 1998-09-22
130 <150> PRIOR APPLICATION NUMBER: US 60/101,347
131 <151> PRIOR FILING DATE: 1998-09-22
133 <150> PRIOR APPLICATION NUMBER: US 60/101,343
134 <151> PRIOR FILING DATE: 1998-09-22
136 <150> PRIOR APPLICATION NUMBER: US 60/104,126
137 <151> PRIOR FILING DATE: 1998-10-13
139 <150> PRIOR APPLICATION NUMBER: US 60/104,127
140 <151> PRIOR FILING DATE: 1998-10-13
142 <150> PRIOR APPLICATION NUMBER: US 60/104,124

RAW SEQUENCE LISTING

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Input Set : A:\cytoseq2.txt

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143 <151> PRIOR FILING DATE: 1998-10-13
145 <150> PRIOR APPLICATION NUMBER: US 60/104,121
146 <151> PRIOR FILING DATE: 1998-10-13
148 <150> PRIOR APPLICATION NUMBER: US 60/111,981
149 <151> PRIOR FILING DATE: 1998-12-11
151 <150> PRIOR APPLICATION NUMBER: US 09/199,129
152 <151> PRIOR FILING DATE: 1998-11-24
154 <150> PRIOR APPLICATION NUMBER: US 09/210,297
155 <151> PRIOR FILING DATE: 1998-12-08
157 <150> PRIOR APPLICATION NUMBER: US 09/227,586
158 <151> PRIOR FILING DATE: 1999-01-08
160 <160> NUMBER OF SEQ ID NOS: 711
163 <210> SEQ ID NO: 1
164 <211> LENGTH: 254
165 <212> TYPE: DNA
166 <213> ORGANISM: Zea mays
168 <220> FEATURE:
169 <221> NAME/KEY: unsure
170 <222> LOCATION: (1)...(254) ✓
171 <223> OTHER INFORMATION: unsure at all n locations
173 <400> SEQUENCE: 1
W--> 175 cnacgttgct gncgatccc aangcgnncc gngacaccat cgacntcttt gtcgagcggt 60
W--> 177 acnangaccn anggatcacc gtggttnctg gtgttnagc natagggttc atttttggtc 120
W--> 179 ctccatcgc tttagccatt ggcgcaaaat ttgtgccttg angaagccnn agaanttnc 180
W--> 181 angcgangtg atctccgaag agtattctnt ggaanatngn actnacnaga tagaaatgca 240
W--> 183 tgtcgganct gnac 254
186 <210> SEQ ID NO: 2
187 <211> LENGTH: 272
188 <212> TYPE: DNA
189 <213> ORGANISM: Zea mays
191 <220> FEATURE:
192 <221> NAME/KEY: unsure
193 <222> LOCATION: (1)...(272) ✓
194 <223> OTHER INFORMATION: unsure at all n locations
196 <400> SEQUENCE: 2
W--> 198 ggacgccgtc gaacctgttc gtcgagcggt accgcgggat gggcatcgan gncgtagacn 60
W--> 200 gggattgagg ccaagggctt cgtgttcggc cnggcgatcg cgctggctat tggcgctaag 120
W--> 202 ttcatncctc tgcgcaagcc aaggaagctc ccaggtgagg tgatctccga gaagtacgtt 180
W--> 204 ctcgagtacg ggactgattg cctggngatg cgtgtcgggg ccatcgagcg atccggcgng 240
W--> 206 cgggtgntgn tcatcgacga cctggttgcg ca 272
209 <210> SEQ ID NO: 3
210 <211> LENGTH: 318
211 <212> TYPE: DNA
212 <213> ORGANISM: Zea mays
214 <220> FEATURE:
215 <221> NAME/KEY: unsure
216 <222> LOCATION: (1)...(318) ✓
217 <223> OTHER INFORMATION: unsure at all n locations
219 <400> SEQUENCE: 3

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```

221 gaggccagg gcttcgtgtt cggccccggc atcgcgctgg gctattggcg ctaagttcat 60
W--> 223 acctctgcgc aagccaagga agctcccagg tgagagattc catgaccatg catgttcnnn 120
W--> 225 nnnnnnnnnn nnnnnnaacc catctccaca ctctgcaactg taccagctg ttgcttttgt 180
227 cgatctagtg ccagcctgt ggcgacaccc tgatcaagta tatgttttagc gaggaggggt 240
229 cttgcttagc ccataatctc tggacaccgc cagagttgtt tgtctggcct gcatgcagtt 300
231 gcagtcctcg gaatggga 318
234 <210> SEQ ID NO: 4
235 <211> LENGTH: 279
236 <212> TYPE: DNA
237 <213> ORGANISM: Zea mays
239 <400> SEQUENCE: 4
241 gttccaggac atcacgacac tgctgctcga cccaaggcg ttccgtgaca ccatcgacct 60
243 ctctcgttag cggtacaagg accaagggat caccgtagtt gctgggtgtg aagctagagg 120
245 gttcattttt ggtcctccta tcgctcttac gatcgggtgt aaatttgtac ctttgaggaa 180
247 gccgaagaag ttgccaggcg aggtgatctc cgaagaatat tctctggaat acggaactga 240
249 caagatagag atgcatgttg gagctgtaca ggccaacga 279
252 <210> SEQ ID NO: 5
253 <211> LENGTH: 440
254 <212> TYPE: DNA
255 <213> ORGANISM: Zea mays
257 <220> FEATURE:
258 <221> NAME/KEY: unsure
259 <222> LOCATION: (1)...(440) OK
260 <223> OTHER INFORMATION: unsure at all n locations
262 <400> SEQUENCE: 5
W--> 264 cgtccgcgcc ggccgacttc gccttttctg ccccgcgtea gcgtcgcggc tccnntgagc 60
W--> 266 gtgcgcgtca ccggcggcag gcgagggcag gcgggtgttg cgatggcgtn cgctgatgcg 120
W--> 268 cgcttgccgg ngatcgnctc ctncatceng gtnatncccg acttnccaaa gccagggatn 180
W--> 270 atgtttcagg acatcangan gntgntgttc gatcccaagg cgntccgtga caacatatac 240
W--> 272 cattttgtca agcgggtaca ggaccaaggn atcacnttg aaantaggag ttaaagctag 300
W--> 274 agggntcant ttcggaacaa ctanntctta naannaattg gtcaaaaatn ggtgncnatt 360
W--> 276 gaggaagcnn aatnagntgc cangcnaaat gatttttnang aatangaatt ttnggaatnn 420
W--> 278 ggaatnntag ataaaaaant 440
281 <210> SEQ ID NO: 6
282 <211> LENGTH: 470
283 <212> TYPE: DNA
284 <213> ORGANISM: Zea mays
286 <220> FEATURE:
287 <221> NAME/KEY: unsure
288 <222> LOCATION: (1)...(470) OK
289 <223> OTHER INFORMATION: unsure at all n locations
291 <400> SEQUENCE: 6
W--> 293 aaggaccaag ggaatnaccgt ggttgctggt gttgaagcta gagggttcat ttttgngct 60
W--> 295 gntatgggct ttanccattg gcgcaaaatt tgtgccttg aggaagccga agaanttgcc 120
W--> 297 aggcgagggt atctccnaan agtatntttt ggaatatgga actgacaana atagaaatgc 180
W--> 299 atgtcggant tttaacaagg caacaaccgg cttttttgta ntncaatnat cttnttgnta 240
W--> 301 ccggtggaac attttttcaa ntttnaaaaa ttttttaaac tttttgaacc aaaagntttt 300
W--> 303 gaaagttcct ttgttanttn naatttncca aaaantnaan gggccaaana aactttgnga 360
W--> 305 cacgggccaan atttttttcn tttgggaaaa aaaacacctt aaacngnaan ttttngacnt 420

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```

W--> 307 ttttaaaaaan attttngccc ccccaatnct naaaattttt catttttcca 470
310 <210> SEQ ID NO: 7
311 <211> LENGTH: 412
312 <212> TYPE: DNA
313 <213> ORGANISM: Zea mays
315 <220> FEATURE:
316 <221> NAME/KEY: unsure
317 <222> LOCATION: (1)...(412) OK
318 <223> OTHER INFORMATION: unsure at all n locations
320 <400> SEQUENCE: 7
W--> 322 atctgattgn caccggtgga acacnctggt tttctttcaa acttattgaa cgtgttggag 60
W--> 324 naaagngtgt tgagtgtgct tgcntnattg aattggcaga actgaagggc cgagacaaac 120
W--> 326 ttggggacag ggcagttntt gttcttnggg aagcagatgc ttgancggaa cttgggactt 180
W--> 328 ctcttctcag agagtttagag ttagecgtgt tgatgctacc tntctggaaa acaacaaagt 240
W--> 330 tncccatggt ggntanagtn nggctgacac gtaataaaan tttcatncca aattgtgatc 300
W--> 332 ccctgaatga natgacaatg tagacatgat tgctggctct tgnatactgt gggnttatta 360
W--> 334 ttcacatcaa antaaangga taatccnga atgggagctn aaaaaaangg ac 412
337 <210> SEQ ID NO: 8
338 <211> LENGTH: 448
339 <212> TYPE: DNA
340 <213> ORGANISM: Zea mays
342 <220> FEATURE:
343 <221> NAME/KEY: unsure
344 <222> LOCATION: (1)...(448)
345 <223> OTHER INFORMATION: unsure at all n locations OK
347 <400> SEQUENCE: 8
W--> 349 ccggcngaag gcnagggcag gcggtgntcg cgatggcggt cntcgacgcg cgcttngggg 60
W--> 351 agattncctc ntgcattccgc gtnatncnng acttctnnaa ancagggatc atntannang 120
W--> 353 acataangac antgatgctc gaccnnaaag cgttccgtga caccatcgac gtcttctntg 180
355 agcgggtacaa ggaccaaagg gatcacgta attgctgggt tggaagctag aggggttcatt 240
W--> 357 tttggnettc tatcgctcta ccatnaatgc gaaatttgta ccttttagga agcctaaaaa 300
W--> 359 atttccaagc caggttaatc tncgaaagaa tattctcttg aatnccnaaa ctnanaaana 360
W--> 361 taaatatnca ttttgganct ttacaancca aacnaattgg gcttttngta tttcnatnat 420
W--> 363 nttattntca cnagttnaac aatttttt 448
366 <210> SEQ ID NO: 9
367 <211> LENGTH: 437
368 <212> TYPE: DNA
369 <213> ORGANISM: Zea mays
371 <220> FEATURE:
372 <221> NAME/KEY: unsure
373 <222> LOCATION: (1)...(437)
374 <223> OTHER INFORMATION: unsure at all n locations
376 <400> SEQUENCE: 9
378 agacgcgtgg gcggggtcga agaggagctt ggagcttggg ccgaccogag cccacccgag 60
380 cgagagagag gaaataatgg gtgaagaggc cagctgcaac gccgtcagcg cgatggaggc 120
382 cgccaccaac gccaggccgg ccaaggagaa cggacgcgcg ccggctgtgg cggaggtagt 180
384 ggcccaggag gcggccactg acccccggct gcagggcac tccgacgcca tccgcgtcgt 240
386 gccgcacttc cccaagcacg gcatcatggt caacgacatc accacgctgc tgctgcgccc 300
388 cagggtgttc aaggacgccg tcgacctgtt cgctgagcgc taccgcggga tgcgcatcga 360

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Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/976,054

DATE: 11/01/2001
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Input Set : A:\cytoseq2.txt
Output Set : N:\CRF3\11012001\I976054.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

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L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17